

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number  
**WO 2005/051999 A2**

(51) International Patent Classification<sup>7</sup>: C07K 16/00

(74) Agents: WEICKMANN & WEICKMANN et al.; Post-  
fach 860 820, 81635 München (DE).

(21) International Application Number:  
PCT/EP2004/013450

(22) International Filing Date:  
26 November 2004 (26.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03 027 000.3 26 November 2003 (26.11.2003) EP

(71) Applicant (for all designated States except US): MAX-  
PLANCK-GESELLSCHAFT ZUR FÖRDERUNG  
DER WISSENSCHAFTEN E.V. [DE/DE]; Hofgarten-  
strasse 8, 80539 München (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HUBER, Robert  
[DE/DE]; Schlesier Str. 13, 82110 Germering (DE).  
SONDERMANN, Peter [DE/DE]; Margaretenstrasse  
54a, 82152 Krailling (DE). JACOB, Uwe [DE/DE];  
Guldeinstrasse 42, 80339 München (DE). WENDT,  
Kerstin [DE/AT]; Enenkelstr. 8/30, A-1160 Wien (AT).  
CHIARA, Cabrele [IT/DE]; Schwabelweiserweg 22,  
93059 Regensburg (DE). MORODER, Luis [IT/DE];  
Alexander-Fleming-Strasse 10d, 82152 Martinsried (DE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: SUBSTANCE BINDING HUMAN IgG Fc RECEPTOR IIb (FcγRIIb)

(57) Abstract: The invention relates to novel immunogens carrying conformationally discriminating epitopes (CDEs) and to immu-  
nization methods for producing antibodies that specifically recognize proteins with very closely related homologues. In particular,  
the invention relates to antibodies which are specific for either FcγRIIb or FcγRIIa.

WO 2005/051999 A2